CLAIMS

What is claimed is:

1. A method in a computer system for authenticating the identity of a person, the computer system having a miniaturized computer comprising a memory for storing personal data, an interface and a first processor for receiving and comparing personal data at various security levels, the method of authentication comprising the steps of:

receiving personal data through the interface of the miniaturized computer;

verifying personal data by comparing the personal data received to personal data maintained in the memory of the miniaturized computer; and

displaying the authentication result.

2. The method of Claim 1, wherein the miniaturized computer is a voter token used to vote in elections.

3. The method of Claim 1, wherein the personal data received through the interface of the computer is a digital signature.

4. The method of Claim 1, wherein the computer system is used for processing financial transaction including credit/debit cards, electronic cash transfers and paper money.

5. The method of claim 1, wherein said personal data is password.

6. The method of claim 1, wherein the personal data is biometric.

7. The method of claim 1, wherein an identifier code is maintained in the first processor.

8. The method of Claim 1, wherein personal data is verified in a remote processing unit, said remote processing unit communicably linked to a remote device for receiving data from said miniaturized computer.

9. A computer system for authenticating identity of person, comprising:

a miniaturized computer having a memory, a first processor and an interface for receiving and transmitting personal data, the interface being communicably linked to said first processor, wherein said miniaturized computer verifies said personal data to authenticate the identity of the person; and

a remote device having a reader and an interpreter, said interpreter having a second processor for authorizing an action or a transaction.

10. The computer system of Claim 9, further comprising a remote processing unit for authenticating the personal data, said remote processing unit verifies personal data, said remote processing unit being communicably linked to said remote device.

11. The system of claim 9, wherein the miniaturized computer is maintained in a piece of jewelry.

12. A computer system for authenticating identity of person, comprising:

a miniaturized computer having a memory for storing an identifier code, a first processor and an interface for receiving and transmitting personal data, the interface being communicably linked to said first processor, wherein said miniaturized computer verifies the personal data to authenticate the identity of the person;

a remote device having a reader and an interpreter, said interpreter having a second processor for authorizing an action or a transaction.; and

a remote processing unit communicably linked to said remote device.

13. The computer system of Claim 12, wherein the computer interface comprises a receiver for receiving personal data.

14. The computer system of Claim 13 wherein said receiver is capable of scanning fingerprints, retina, DNA, or a face of an individual or a voice of an individual.

15. The miniaturized computer of Claim 13, wherein said receiver comprises a biometric scanner.

16. The miniaturized computer of Claim 12 wherein said interface further comprises a transmitter for sending data to said remote device.

17. A memory for storing data for access by a computer readable program being executed on a computer, comprising:

a data structure stored in said memory, said data structure including information resident in a database used by the computer readable program and including: personal information, credit card information, medical information, nonpublic identification information, electronic currency, and identifier code.

18. The memory for storing data of Claim 17, wherein said data structure further includes: business card information, and encryption information.

19. The computer system for authenticating identity of Claim 9, wherein said interface is a mechanical interface for receiving and sending data.

20. A portable miniaturized computer for authenticating the identity of a person and to process transactions that require proof of identification and access to other personal data comprising:

a first processor having a high capacity memory wherein a personal data is maintained in said memory; and

an interface for communicating personal data from a receiver to said first processor and transmitting data to a remote device.

21. The miniaturized computer of Claims 9 or 20, wherein said interface comprises a wireless transmitter communicably connected to a remote device.

22. The portable miniaturized computer of Claim 20, further comprising security protocol said security protocol are selected from the group consisting of a unique identifier code embedded in the computer, a password, biometric identification criteria, confirmation of identity with a remote database, remote shutdown of the computer, and storage of incriminating data.

23. A computer-readable medium containing instructions for controlling a computer to authenticate the identity of a person, by:

receiving personal data through an interface of a portable miniaturized computer, said computer accessing and processing the data for making transactions or actions that require proof of identification and other personal data;

verifying personal data by comparing the data to an identifier code maintained in the memory of the miniaturized computer; and

displaying the authentication results.